Submersible pump for waste water with solids in suspension, grinder system

**Applications**
Evacuation, transfer and emptying of waste water with solids in suspension.

**Materials**
Pump body in AISI 304.
Pump shaft in AISI 420.
Suction and discharge in cast iron.
Impeller in technopolymer reinforced with steel.
Grinder blade in stainless steel.
Mechanical seal in aluminium-graphite.
O-rings in NBR/EPDM.

**Equipment**
Float switch and 10m of cable with plug type F.
Internal capacitor.

**Motor**
Asynchronous 2 poles.
IP68 protection.
Class F insulation.
Continuous operation.
Built-in thermal protection.

**Limitations**
Maximum water temperature: 40°C.
Maximum submersion: 7m.

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**Hydraulic performance table**

<table>
<thead>
<tr>
<th>Model</th>
<th>I [A]</th>
<th>P1 [kW]</th>
<th>P2 [HP]</th>
<th>c [µF]</th>
<th>l/min</th>
<th>15</th>
<th>30</th>
<th>50</th>
<th>65</th>
<th>80</th>
<th>100</th>
<th>115</th>
<th>135</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIGICOR 150</td>
<td>0,9</td>
<td>1,8</td>
<td>3,0</td>
<td>3,2</td>
<td>4,8</td>
<td>6,0</td>
<td>6,9</td>
<td>8,1</td>
<td>1~230V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vigicor 150</td>
<td>1~230V</td>
<td>15,5</td>
<td>14</td>
<td>11,4</td>
<td>9,4</td>
<td>6,5</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

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**Performance curve at 2900 rpm**

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**Dimension and weight**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIGICOR 150</td>
<td>396</td>
<td>471</td>
<td>148</td>
<td>151</td>
<td>57</td>
<td>191</td>
<td>177</td>
<td>15,5</td>
</tr>
</tbody>
</table>